

Abstract of the Disclosure

The present invention provides a broadband slot array antenna that can be implemented with lower cost by using a single dielectric layer and a metal layer, and makes easy to implement an active integrated antenna. The broadband slot antenna includes: a dielectric layer under which a microstrip feedline is formed; a ground formed on the dielectric layer and electromagnetically coupled with the microstrip antenna through a slot; and a reflection plane placed under the microstrip feedline in order to prevent board surface waves from being radiated and enhance antenna gain.